

Fig. 1 (prior art)

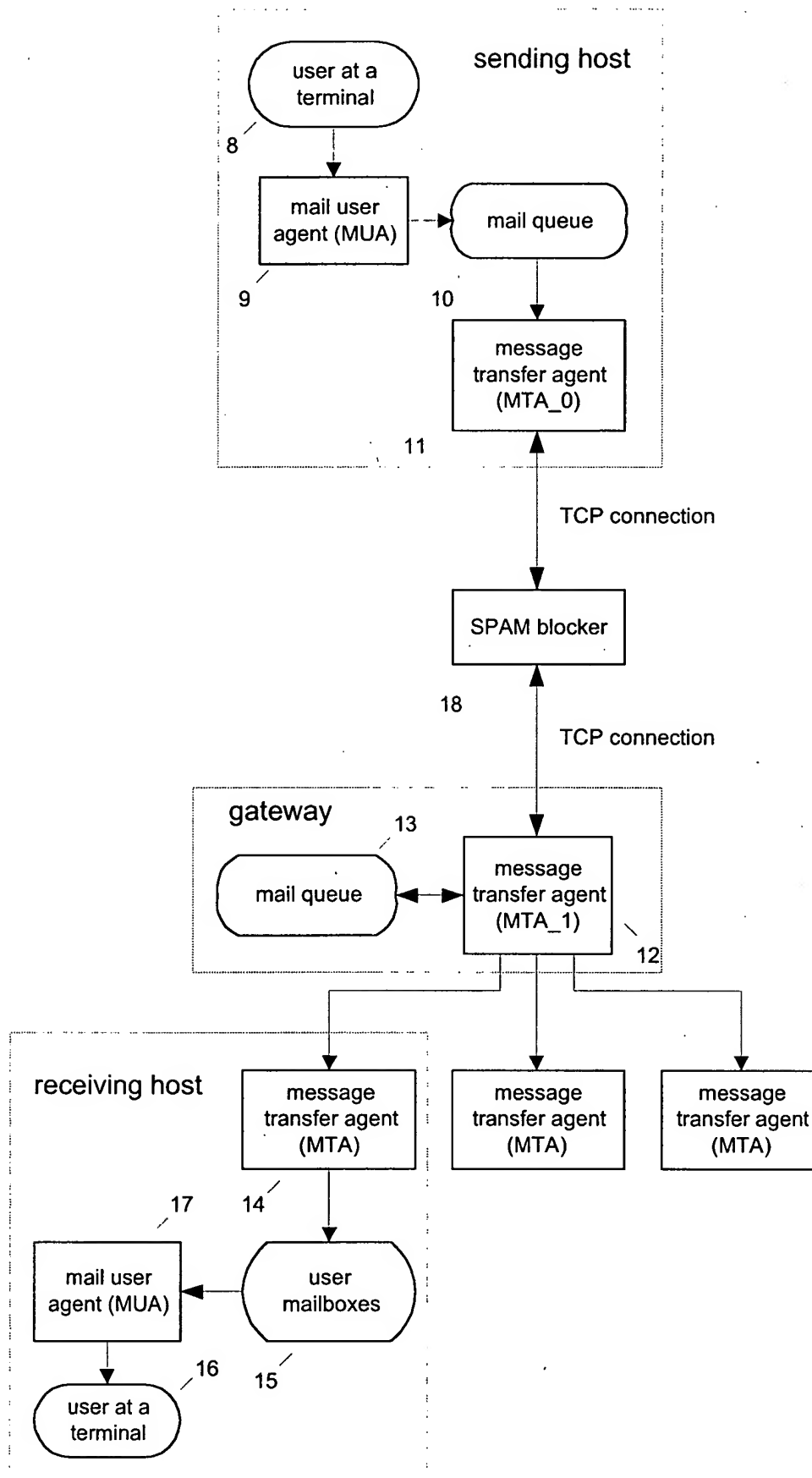


Fig. 2

CONNECTION ESTABLISHMENT	SOML
S: 220	S: 250
F: 421	F: 552, 451, 452
	E: 500, 501, 502, 421
HELO	SAML
S: 250	S: 250
E: 500, 501, 504, 421	F: 552, 451, 452
	E: 500, 501, 502, 421
MAIL	VRFY
S: 250	S: 250, 251
F: 552, 451, 452	F: 550, 551, 553
E: 500, 501, 421	E: 500, 501, 502, 504, 421
RCPT	EXPN
S: 250, 251	S: 250
F: 550, 551, 552, 553, 450, 451, 452	F: 550
E: 500, 501, 503, 421	E: 500, 501, 502, 504, 421
DATA	HELP
I: 354 -> data -> S: 250	S: 211, 214
F: 552, 554, 451, 452	E: 500, 501, 502, 504, 421
F: 451, 554	
E: 500, 501, 503, 421	
RSET	NOOP
S: 250	S: 250
E: 500, 501, 504, 421	E: 500, 421
SEND	QUIT
S: 250	S: 221
F: 552, 451, 452	E: 500
E: 500, 501, 502, 421	TURN
	S: 250
	F: 502
	E: 500, 503

Fig. 3 (prior art)

214 Help message  
[Information on how to use the receiver or the meaning of a particular non-standard command;  
this reply is useful only to the human user]

220 <domain> Service ready

221 <domain> Service closing transmission channel

250 Requested mail action okay, completed

251 User not local; will forward to <forward-path>

354 Start mail input; end with <CRLF>.<CRLF>

421 <domain> Service not available, closing transmission channel  
[This may be a reply to any command if the service knows must shut down]

450 Requested mail action not taken: mailbox unavailable [E.g., mailbox busy]

451 Requested action aborted: local error in processing

452 Requested action not taken: insufficient system storage

500 Syntax error, command unrecognized [This may include errors such as command line too long]

501 Syntax error in parameters or arguments

502 Command not implemented

503 Bad sequence of commands

504 Command parameter not implemented

550 Requested action not taken: mailbox unavailable [E.g., mailbox not found, no access]

551 User not local; please try <forward-path>

552 Requested mail action aborted: exceeded storage allocation

553 Requested action not taken: mailbox name not allowed [E.g., mailbox syntax incorrect]

554 Transaction failed

Fig. 4 (prior art)

MTA\_0  
IP address = IP\_0  
declared domain = D\_0  
real domain = DD\_0  
Mail From = A\_0

MTA\_1  
IP address = IP\_1  
domain = D\_1  
RCPT To = A\_1

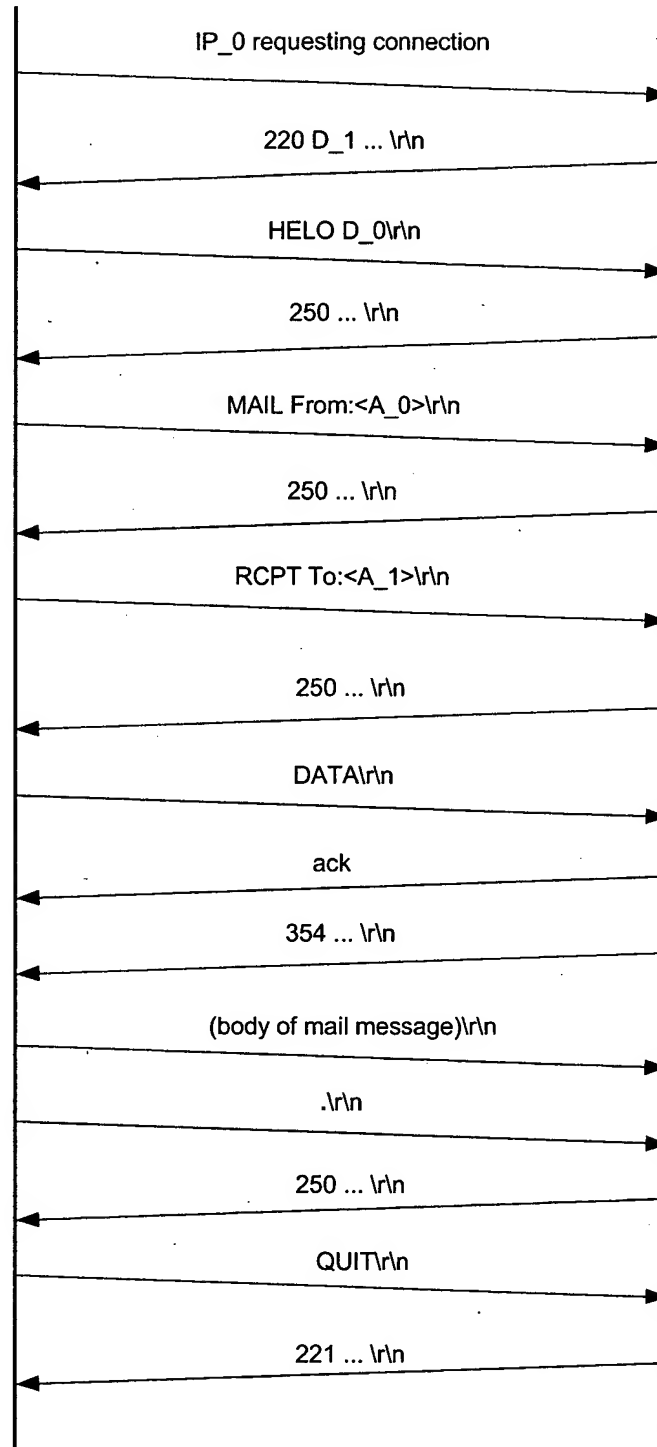


Fig. 5 (prior art)

MTA\_0  
IP address = IP\_0  
declared domain = D\_0  
real domain = DD\_0  
Mail From = A\_0

SPAM Blocker  
IP address IP\_2

MTA\_1  
IP address = IP\_1  
domain = D\_1  
RCPT To = A\_1

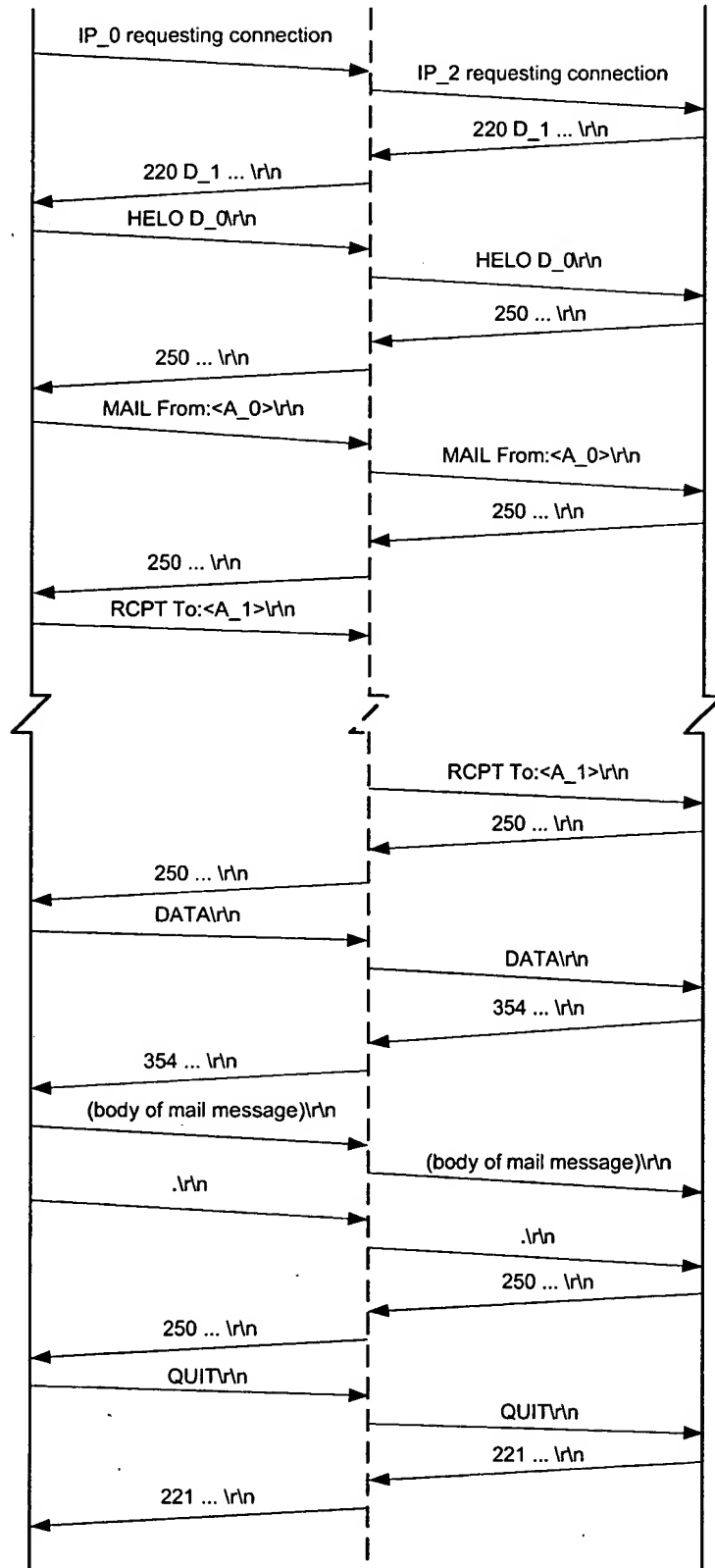


Fig. 6

MTA\_0  
 IP address = IP\_0  
 declared domain = D\_0  
 real domain = DD\_0  
 Mail From = A\_0

SPAM Blocker  
 IP address IP\_2

MTA\_1  
 IP address = IP\_1  
 domain = D\_1  
 RCPT To = A\_1

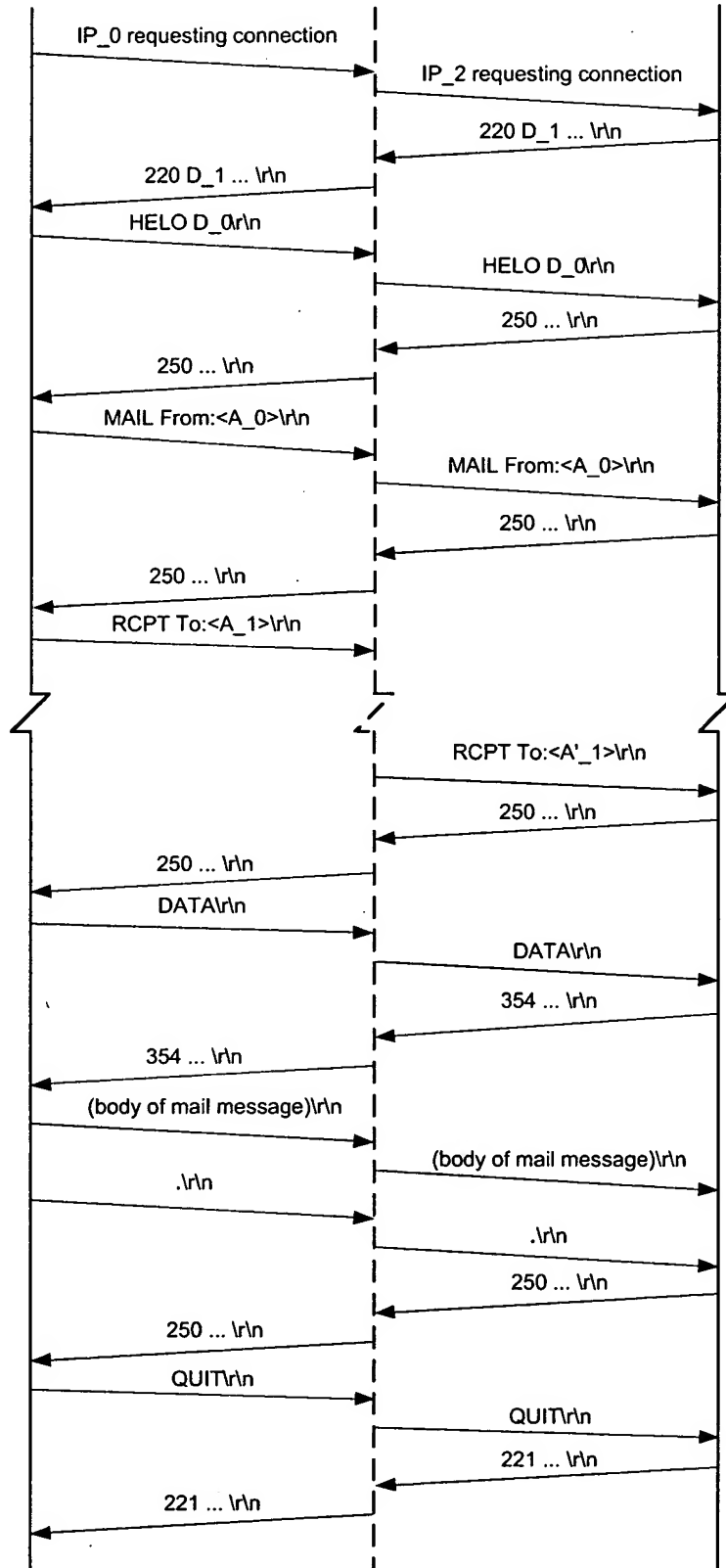


Fig. 7

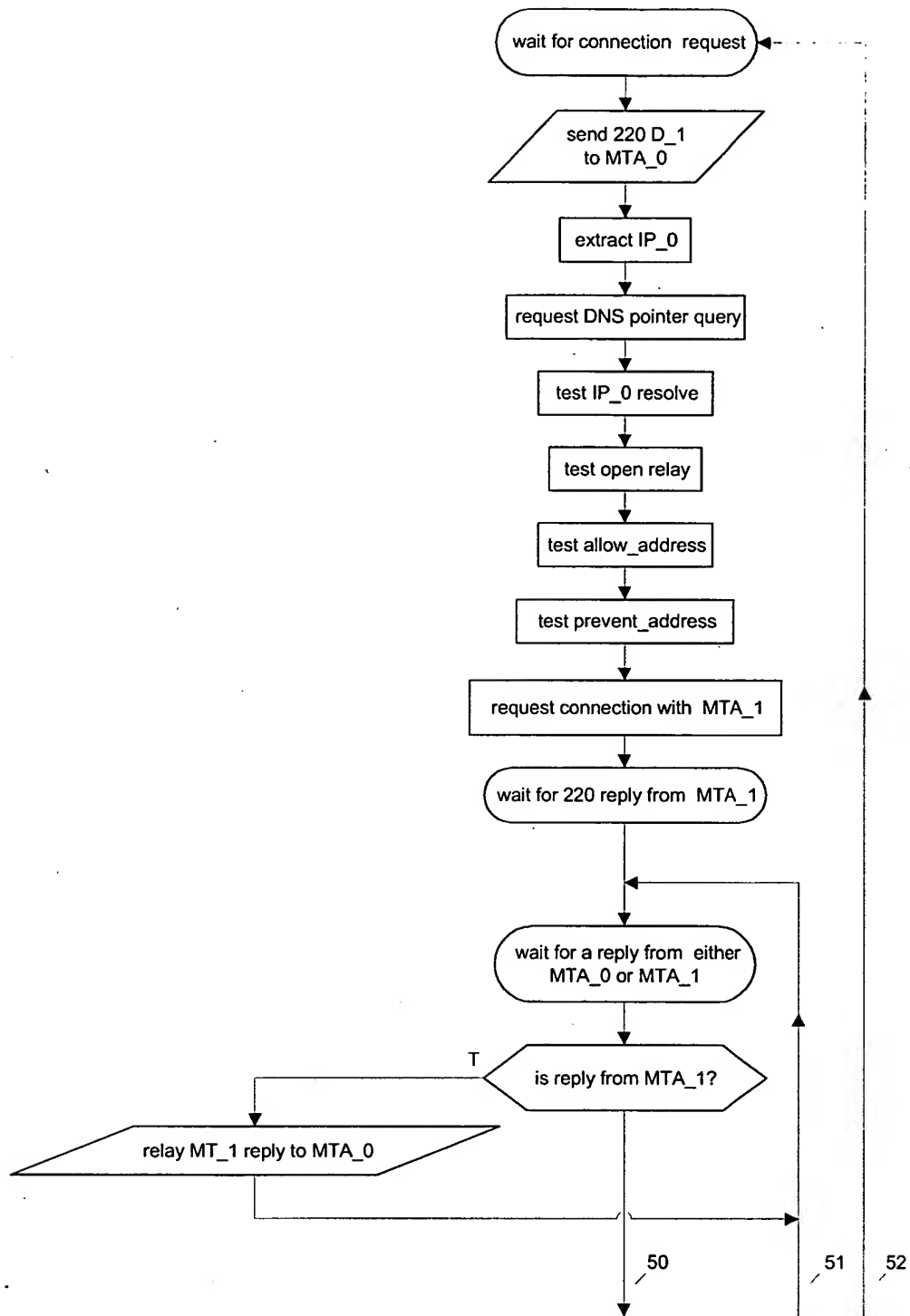


Fig. 8A



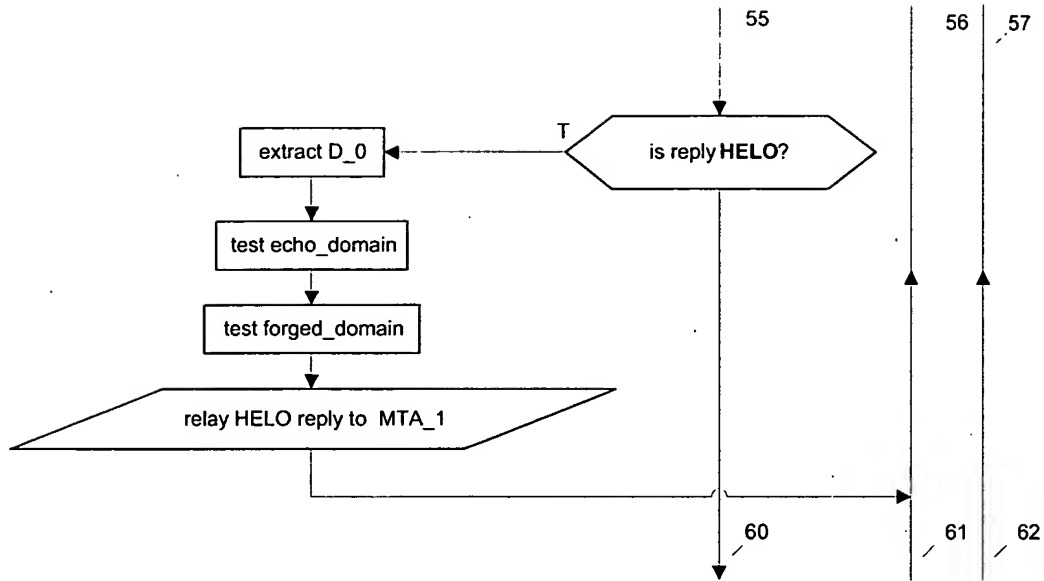


Fig. 8B

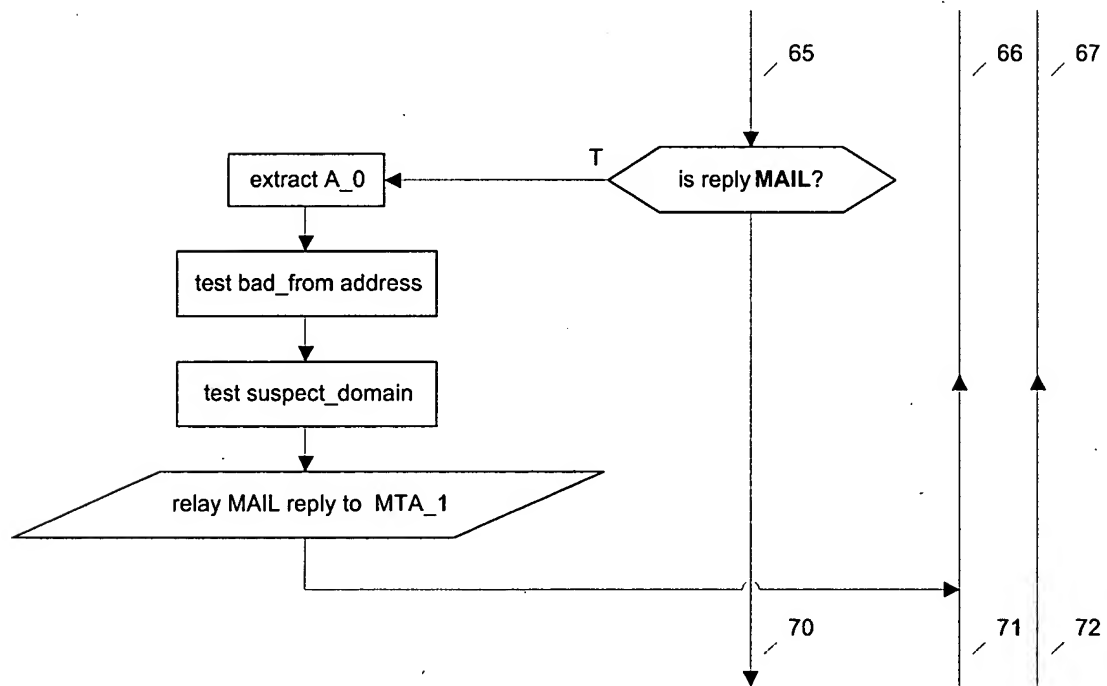


Fig. 8C

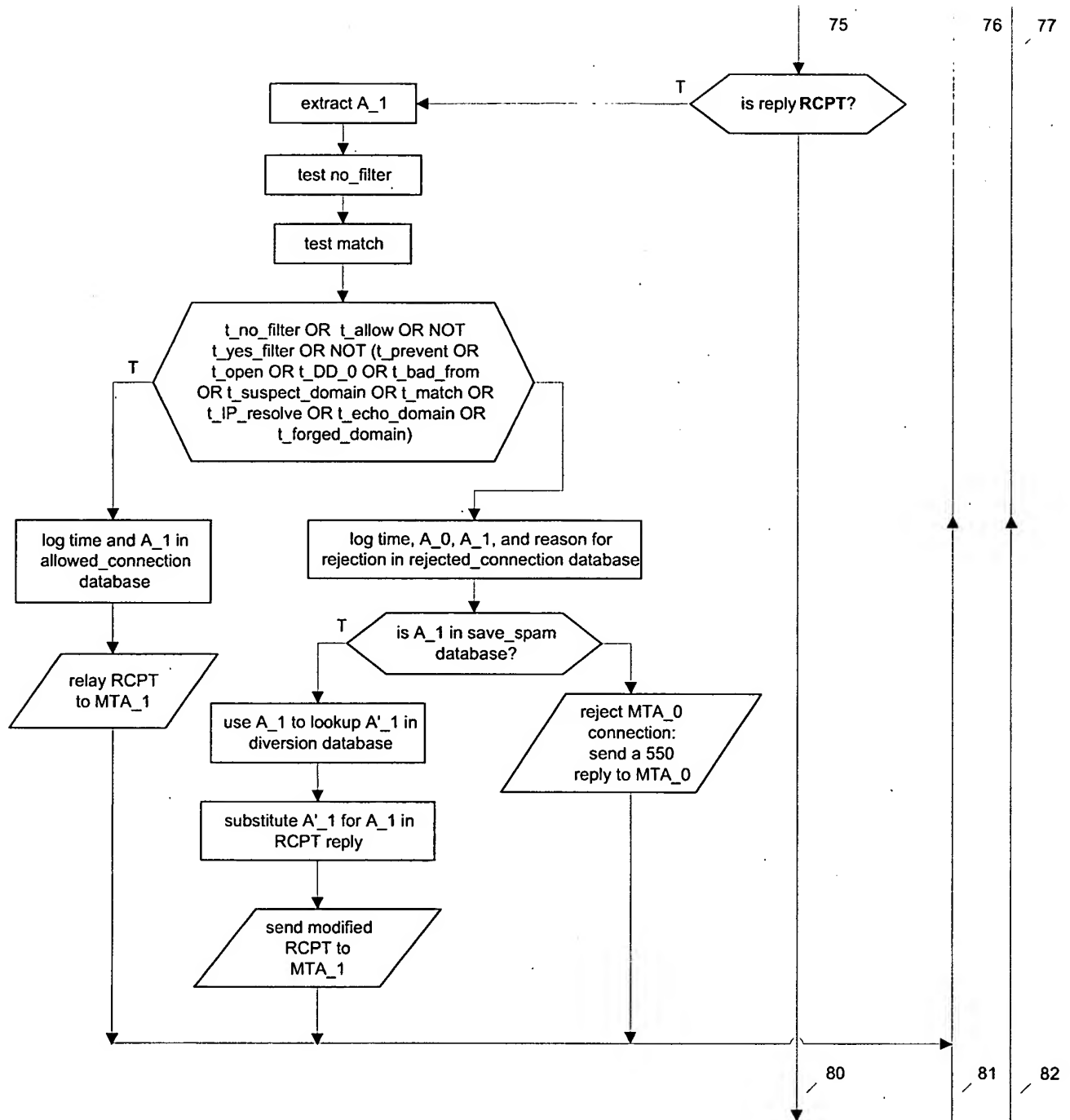


Fig. 8D

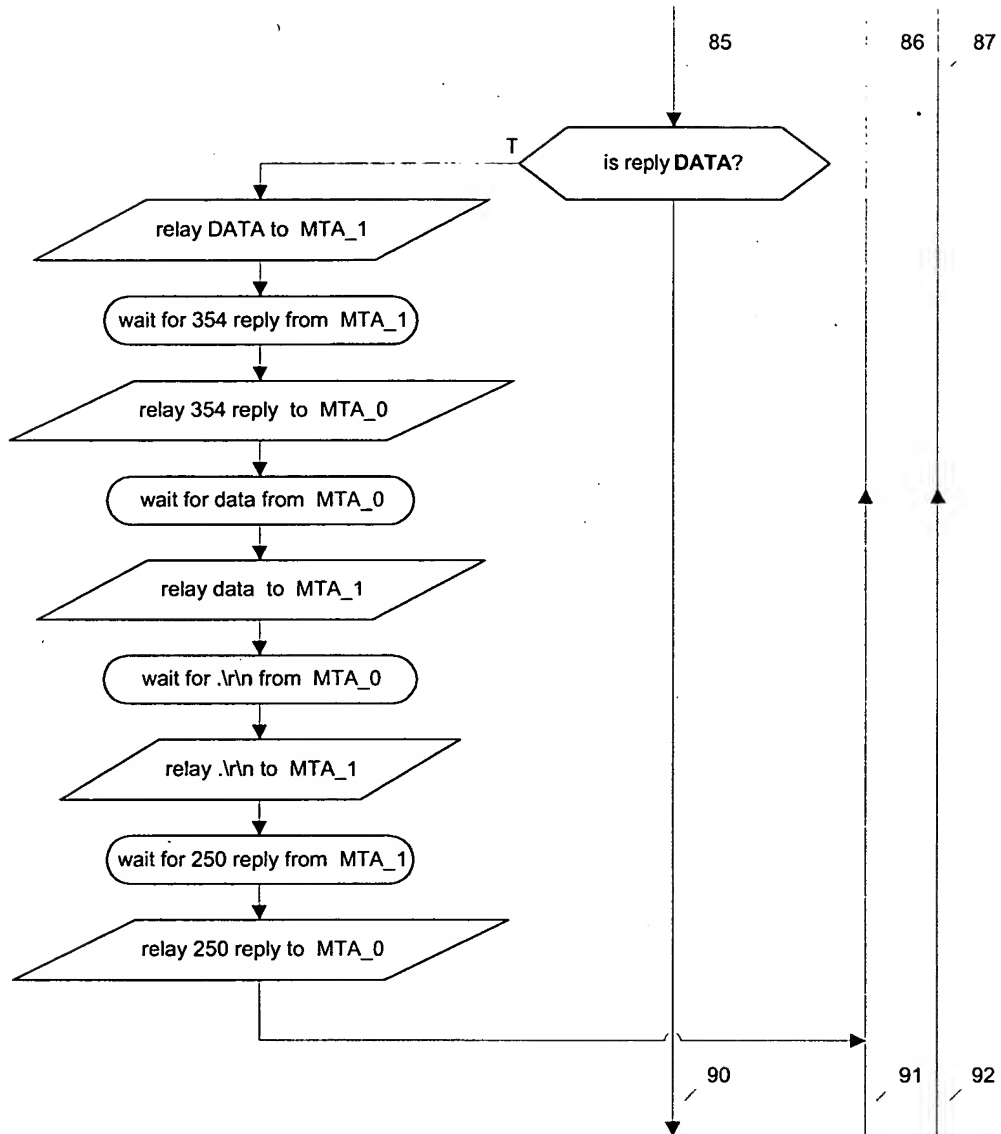


Fig. 8E

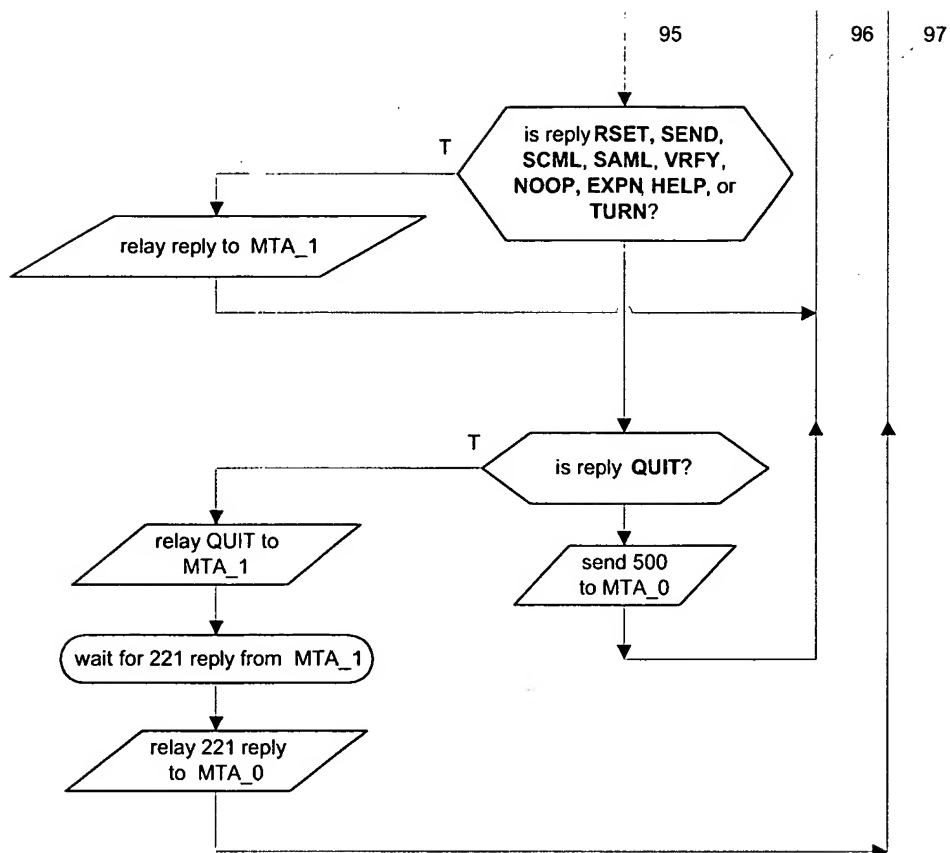


Fig. 8F

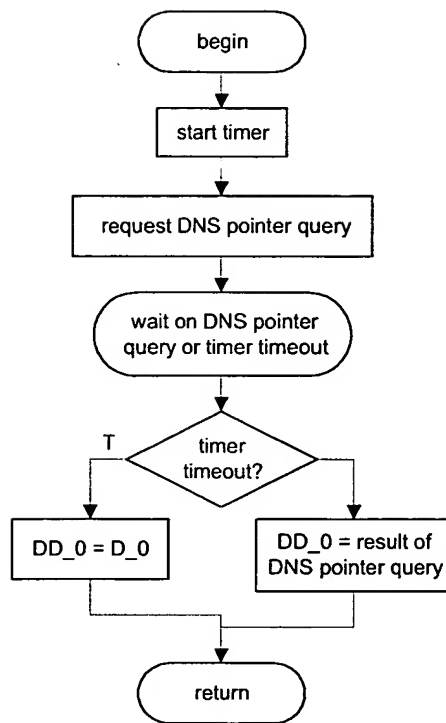


Fig. 9

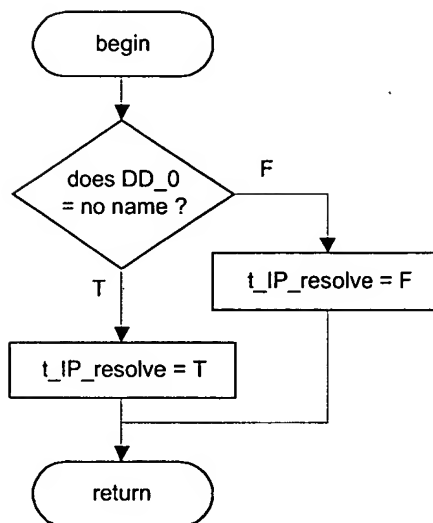


Fig. 10

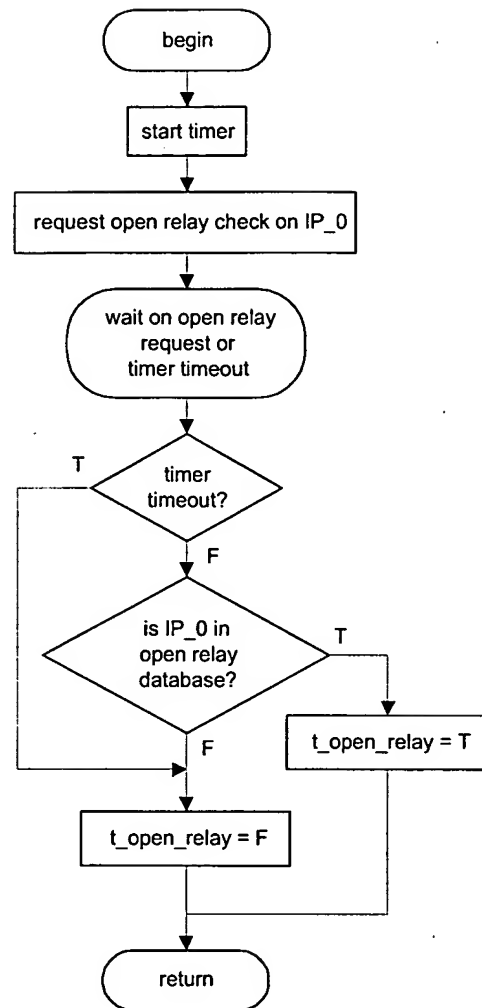


Fig. 11

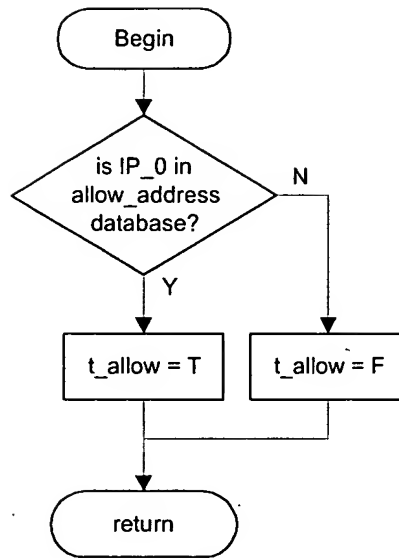


Fig. 12A

allow IP address

Fig.12B

66.75.160.12  
65.54.254.145  
65.54.232.71

65.54.232.7  
64.4.56.135  
64.4.55.71

64.4.55.7  
64.4.55.135  
64.4.50.71

64.4.50.7  
64.4.49.199  
64.4.49.135

Fig. 12C

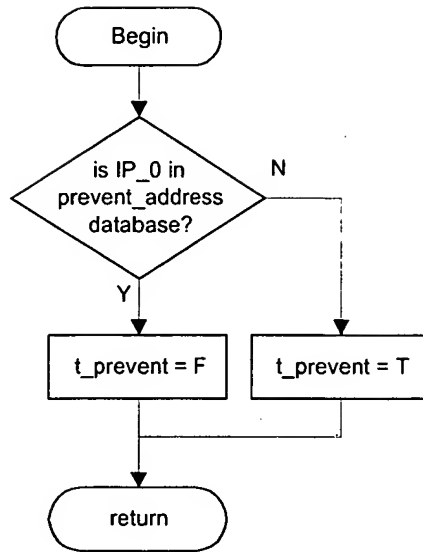


Fig. 13A

low prevent address	high prevent IP address

Fig. 13B

4.19.93.159	12.237.79.6	64.3.236.18	66.75.*.*
4.43.46.14	61.16.2.72	65.171.144.13	128.121.16.241
4.43.46.15	63.162.162.157	65.174.29.52	128.121.16.248
4.43.46.17	63.163.139.83	65.211.149.230	129.71.235.57
12.101.140.178	64.0.241.210	65.88.90.10	131.161.40.61
12.101.199.26	64.14.127.28	66.115.47.112	139.130.177.67
12.101.61.98	64.159.91.198	66.115.47.144	146.243.16.156
12.109.16.67	64.251.16.152	66.123.51.203	148.235.134.146
12.129.205.65	64.251.16.153	66.47.187.38	148.235.89.20
12.129.205.84	64.251.16.154	66.74.*.*	

Fig. 13C



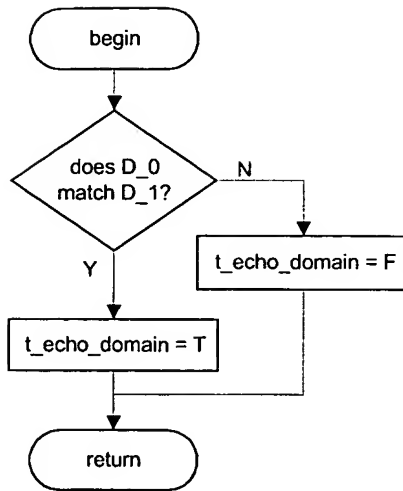


Fig. 14

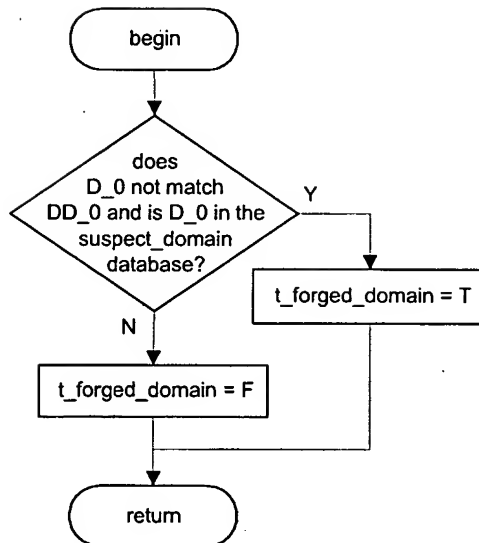


Fig. 15

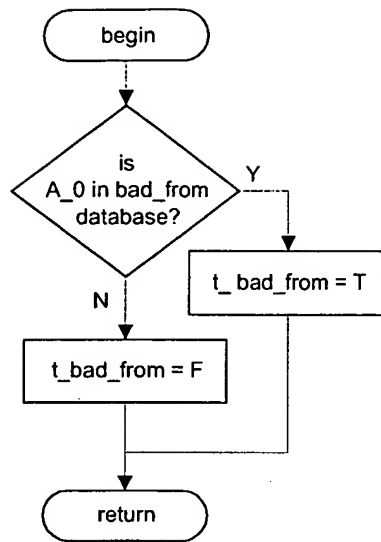


Fig. 16A

bad from address

Fig. 16B

\*@\*.cl  
\*@thejanusgroup.com  
\*@\*nymphos\*  
\*@\*ramshack.net  
\*@freegasdaily.com  
\*@\*emailsvc.net  
\*@\*bbwgroup.com  
\*@\*hostingcheck.com  
\*@\*linksynergy.com

\*@\*barota.com  
\*@\*.nl  
\*@netpaloffers.com  
\*@\*.no  
\*@\*porn\*  
\*@\*mercadoabr.com  
\*@\*medianetgroup.net  
\*@\*myrealbox.com  
\*@\*aweber.com

\*@\*.br  
\*@\*agoramail.net  
 ipas@\*  
\*@yourmailsource.com  
 fuck\*.\*  
 \*fuck\*.\*  
\*@\*.in

Fig. 16C

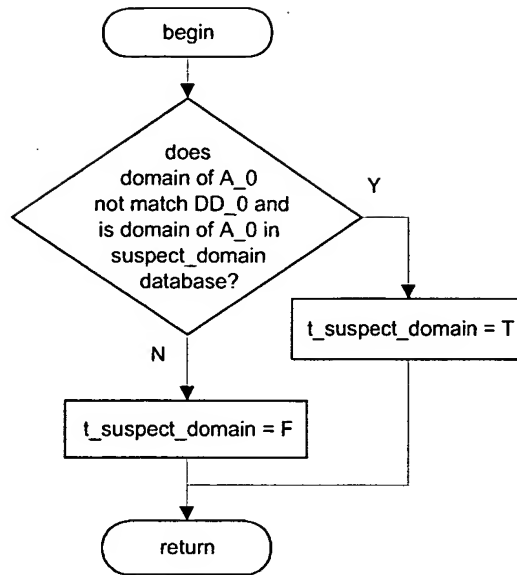


Fig. 17A

suspect domain address

Fig. 17B

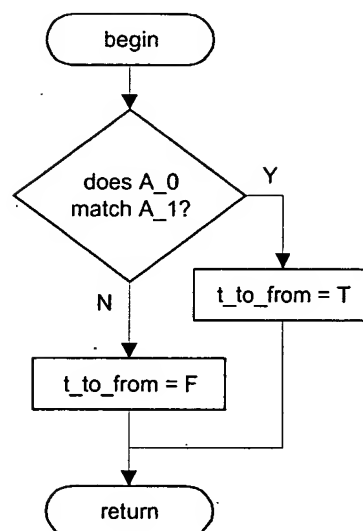


Fig. 18

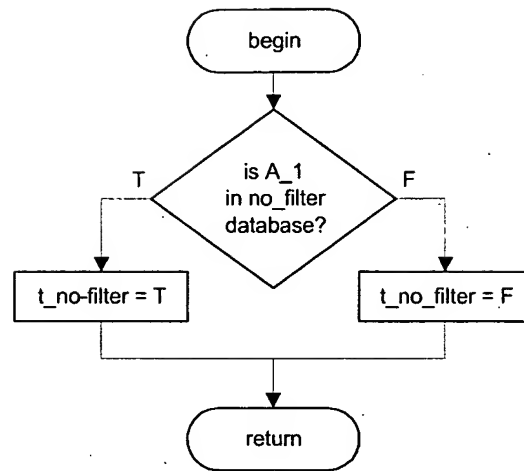


Fig. 19A

no filter addresses (A_1)

Fig. 19B

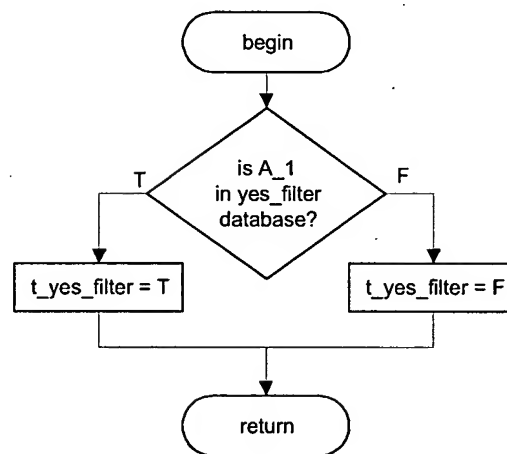


Fig. 20A

yes_filter addresses (A_1)

Fig. 20B

time	"To" address (A_1)

Fig. 21

time	"To" address (A_1)	"From" address (A_0)	reason for rejection

Fig. 22

to-address (A_1)	save spam? (Y/N)

Fig. 23

to-address (A_1)	diversion address (A'_1)

Fig. 24